

Title (en)  
Edge coated soft gasket

Title (de)  
Weichstoffflachdichtung mit Randbedeckung

Title (fr)  
Joint plat en matière tendre et à bord revêtu

Publication  
**EP 0964189 B1 20030827 (EN)**

Application  
**EP 99111156 A 19990608**

Priority  
US 9308498 A 19980608

Abstract (en)  
[origin: EP0964189A2] A soft gasket material having two opposed facial surfaces and an edge that is substantially perpendicular to those surfaces has a coating on the edge. The coating has a thickness length B which is a distance extending directly from the edge at its center point to the coat's outer surface. The coating further covers the edge from side to side and extends past at least one corner of the edge in a protruding length A which is an amount that is effective to form a barrier against the passage of fluids onto the face of the gasket. In coatings where the protruding length A is not supported by the gasket face, the ratio of protruding length A : thickness length B must be at least about 0.8, protruding length A must be a minimum of at least about 0.1 mm (4 mils), and thickness length B must be a minimum of at least about 0.08 mm (3 mils). In coatings where the protruding length A is supported by the gasket face (a distance C), the ratio of protruding length A : thickness length B can be at least about 0.6, protruding length A can be a minimum of at least about 0.08 mm (3 mils), and thickness length B can be a minimum of at least about 0.06 mm (2 mils). <IMAGE>

IPC 1-7  
**F16J 15/10**; **F16J 15/12**

IPC 8 full level  
**F16J 15/06** (2006.01); **F16J 15/10** (2006.01); **F16J 15/12** (2006.01)

CPC (source: EP KR US)  
**F16J 15/06** (2013.01 - KR); **F16J 15/104** (2013.01 - EP US); **F16J 15/123** (2013.01 - EP US)

Cited by  
US6923998B2; WO0208642A3; US6702296B2; US7014193B2

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**EP 0964189 A2 19991215**; **EP 0964189 A3 20001025**; **EP 0964189 B1 20030827**; BR 9901786 A 20000229; BR 9901786 B1 20130903; CZ 197099 A3 19991215; CZ 294857 B6 20050316; DE 69910672 D1 20031002; DE 69910672 T2 20040708; ES 2207071 T3 20040516; GB 2338270 A 19991215; GB 2338270 B 20020327; GB 9913204 D0 19990804; JP 2000028004 A 20000125; KR 100474195 B1 20050308; KR 20000005697 A 20000125; PL 192338 B1 20061031; PL 333583 A1 19991220; US 6241253 B1 20010605

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